

ABSTRACT

A standard voltage generation circuit is provided with a function of automatically stopping charging when a standard voltage reaches a stable voltage point by rapidly charging a standard voltage stabilization capacitor during transition from a standby state to a normal operation state. The standard voltage generation circuit is also provided with a function of precharging an output terminal of the circuit to a voltage close to the stable voltage by a potential division effect of the capacitor during transition from the standby state to the normal operation state. Thereby, it is possible to prevent an increase in the amount of time that is required until the standard voltage reaches the stable voltage when the state of an analog circuit included in the standard voltage generation circuit changes from its off state to its on state.